At page 8, line 7, please delete "pins" and insert –locations–;
line 8, please delete "pins" and insert –locations–;
line 18, please delete "pins" and insert –locations– at both occurrences; and
line 20, after "layer.", please insert – Figure 4 illustrates a circuit board 52
coupled to a socket module 50 which is connected at load locations 20 to the powerplane 40. –

IN THE CLAIMS:

For the convenience of the Examiner and Applicants, all claims and any amendments are presented herein. Claims 2, 4-8, and 11 have been amended. Claim 14 has been added.

H H THE PERSON AND THE PERSON HAVE BEEN THE HOLD	1	1.(Unchanged	A powerplane for use in a backplane power distribution system,
	2	comprising:	
	3	(a)	a conductive sheet;
	4	(b)	at least one source location on said conductive sheet for coupling to a power
	5		source;
	6	(c)	a plurality of load locations on said conductive sheet for coupling to at least one
H 4"4 4"4 H	7		load;
	8	(d)	a plurality of variable resistances between said at least one source location and
13	9		said plurality of load locations to distribute substantially the same amount of
And that that that the	10		current from said at least one source location to each of said plurality of load
	11		locations.

- 1 2.(Amended) A powerplane according to claim 1, wherein said [backplane] powerplane
- 2 includes a plurality of load pins and [a plurality of source pins] at least one source pin and
- 3 wherein said at least one source location and said plurality of load locations comprise vias for
- 4 receiving a corresponding one of said [source pins] at least one source pin and said load pins,
- 5 at least a portion of said vias having plated perimeters for electrically connecting said
- 6 powerplane to said load pins and source pins.





- 7 3.(Unchanged)
- A powerplane according to claim 1, wherein said conductive sheet
- 8 comprises copper.
- 1 4.(Amended) A backplane power distribution system for distributing power from a power
- 2 source, comprising:

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3 a laminate having

a plurality of interleaved dielectric layers and conductive layers wherein at least one of said conductive layers is [used as] a powerplane for distributing said power; and

a plurality of source locations and load locations, said source locations being provided to couple said powerplane to said power source and said load [pins] <u>locations</u> being provided to couple said powerplane to at least one load,

a plurality of variable resistances arranged on said powerplane to distribute current so the voltage difference between said load locations is reduced to near zero.

- 5.(Amended) A backplane power distribution system according to claim [11]4, wherein said
- 2 source locations and said load locations define a plurality of holes passing through said
- 3 laminate, said holes forming vias in each of said layers of said laminate, said vias being
- 4 adapted to couple said [backplane] <u>powerplane</u> to said loads and said power source.
- 6.(Amended) A backplane power distribution system according to claim [14]5, wherein said
- 2 laminate further includes source pins and load pins, and wherein a first number of said vias in
- 3 <u>at least one of</u> said conductive layers are provided with plated perimeters for connection to
- 4 said load pins and said source pins and a second number of said vias in said at least one of
- 5 said conductive layer are provided with an insulated perimeter for insulating said second
- 6 number of vias from said load pins and source pins.
- 1 7.(Amended) A backplane power distribution system according to claim [11]4, wherein
- 2 said conductive layers comprise copper.
- 1 8.(Amended) A backplane power distribution system according to claim [11]4, wherein said
- 2 load locations are provided to couple said powerplane to at least one circuit board.

	1	9.(Unchanged)	A powerplane for use in a backplane power distribution system,	
	2	comprising:		
	3	(a) a cond	ductive sheet;	
	4	(b) means	s to couple a power source to said conductive sheet;	
	5	(c) means	s to couple at least one load to said conductive sheet;	
	6	(d) mean	s to distribute substantially the same amount of current from said power	
	7	source to all of said at least one load.		
	1	10.(Unchanged)	The powerplane of Claim 9, wherein said conductive sheet is copper.	
	1	11.(Amended)	The powerplane of Claim 9, wherein said means to couple said power	
O) ==	2	source and said mea	ans to couple said at least one load to said conductive sheet are selected	
	3	from the group comprising: connector straps, pads, and vias which receive a plurality of		
	4 source pins and a plurality of load pins[, respectively].		urality of load pins[, respectively].	
The transfer of the transfer o	1 2 3	12.(Unchanged) substantially the san	The powerplane of Claim 9, wherein said means to distribute ne amount of current further comprises a plurality of resistance variations e powerplane.	
מיים, ואים, מיים, מיים מיים מיים מיים איים, מיים, מיים מיים מיים מיים איים מיים מיים מיים מיים	1	13.(Amended)	The powerplane of Claim 11, wherein	
	2	said p	olurality of load [pins] locations further comprises near load [pins] locations	
<del></del>	3	and distant load [pins] locations with said near load [pins] locations being nearer to		
	4	said plurality of source [pins] <u>locations</u> than said distant load [pins] <u>locations</u> , and		
	5	wherein said means to distribute substantially the same amount of current		
	6	further comprises:		
0	7		means to variably increase the resistance of the powerplane between	
1	8	said plurality of source [pins] locations and said load [pins] locations, and		
	9		means to substantially reduce the voltage difference between said near	
	10	load	pins] <u>locations</u> and said distant load [pins] <u>locations</u> .	